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<b>Notice of Allowability</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/749,326		PETERS, RICHARD ALAN	
	<b>Examiner</b>		<b>Art Unit</b>	
	Wilbert L. Starks, Jr.		2129	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the filing of 04/27/2007.
2. ☒ The allowed claim(s) is/are 20-26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

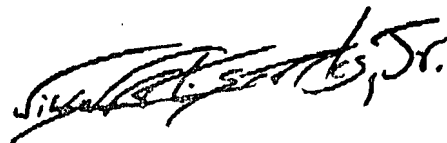
**Attachment(s)**

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|--|---|
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|--|---|

**Examiner's Amendment**

The title is amended as follows:

Architecture for Multiple Interacting Robot Intelligences

A handwritten signature in black ink, appearing to read "Wilbert L. Starks, Jr.", with a stylized, cursive script.

Wilbert L. Starks, Jr.  
Primary Examiner  
Art Unit 2129

WLS

22 JUL 2007

## DETAILED ACTION

### Reasons For Allowance

1. Claims 20-26 are allowed.
2. The following is an Examiner's statement of reasons for allowance: Claims 20-26 are considered allowable since when reading the claims in light of the specification, as per MPEP §2111.01 or In re Sneed, 710 F.2d 1544, 1548, 218 USPQ 385, 388 (Fed. Cir. 1983), none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 1, including: a "short term memory" (as defined at page 6, line [0009] and at page 7, lines [0010] through [0027] and at page 8, lines [0010] through [0013] and at page 14, line [0013]), an "agent program" (as defined at page 14, lines [0010] through [0032] and at page 15, lines [0001] through [0032] and at page 19, lines [0001] through [0032] and at page 20, lines [0001] through [0032] and at page 22, lines [0003] through [0032] and at page 23, lines [0001] through [0032] and at page 24, lines [0004] through [0017]), a "sensory processing unit" (as defined at page 14, lines [0010] through [0019] and at page 10, lines [0003] through [0021] and at page 11, lines [0001] through [0032] and at page 12, lines [0001] through [0023] and at page 13, lines [0001] through [0031] and at page 14, lines [0001] through [0019] and at page 15, lines [0001] through [0032] and at page 16,

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lines [0001] through [0013] and at page 17, lines [0001] through [0032] and at page 18, lines [0001] through [0009]), a "neighborhood" (as defined at page 19, lines [0001] through [0032]), an "event detected" (as defined at page 8, lines [0001] through [0020] and at page 16, line [0028] and at page 17, line [0009] and at page 20, lines [0001] through [0031] and at page 21, lines [0001] through [0031].)

3. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

- A. Peters, II (U.S. Patent Number 6,697,707 B2; dated 24 FEB 2004; class 700; subclass 245) discloses an architecture for robot intelligence.
- B. Buckley (U.S. Patent Number 5,940,529 A; dated 17 AUG 1999; class 382; subclass 155) discloses self-organizing circuits.
- C. Grossberg et al. (U.S. Patent Number 4,852,018 A; dated 25 JUL 1989; class 700; subclass 259) discloses a massively parallel real-time network architectures

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for robots capable of self-calibrating their operating parameters through associative learning.

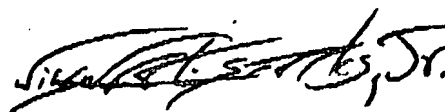
- D. Kuroda et al., A Communication Efficiency Evaluation of Multi-agents with Short-term Memory, Robot and Human Interaction, 1994. RO-MAN '94 Nagoya, Proceedings., 3rd IEEE International Workshop on, 18-20 July 1994, pp. 317-322.

5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Wilbert L. Starks, Jr. whose telephone number is (571) 272-3691.

Alternatively, inquiries may be directed to the following:

**S. P. E. David Vincent** (571) 272-3080

**Official (FAX)** (571) 273-8300



Wilbert L. Starks, Jr.  
Primary Examiner  
Art Unit 2129

WLS

22 JUL 2007